

# Notice of Allowability

Application No.

10/045,521

Examiner

Han Lieh Liu

Applicant(s)

SHARP ET AL.

Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendments and Terminal Disclaimer filed on 4/14/2004.
2. ☒ The allowed claim(s) is/are 23-27 and 30-41.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☒ to Paper No./Mail Date 7/29/03.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**DETAILED ACTION**

1. Filed "Disclaimer" was approved on 5/14/2004.

***Allowable Subject Matter***

2. Claims 23 – 27 and 30 – 41 are allowed.

Following is a table listing of original and final claim numbers for this application:

Original Claim No.	Final Claim No.
1 – 22	–
23 – 25	1 – 3
26	6
27	4
28 – 29	–
30 – 33	7 – 10
34	5
35 – 41	11 – 17

**EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

3. The following is an examiner's statement of reasons for allowance:

The teachings from the prior art indicate the usage of individual components mentioned in the invention in parts/or combination but do not employ them as a whole.

The prior art of record neither disclose nor makes obvious to have the structural and functional relationship as recited in claims 23, 26 and 35 such that an air compressor unit comprises multiple compartments wherein an air compressor being disposed in the first compartment and its motor being disposed in the second compartment; a rotary blower; and a

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single inlet flow to the unit, which is divided into two flows into the first and the second compartment and recombined into a single final outlet flow.

The novelty of the invention is the structural arrangement of the airflow passages for an air compressor and its driving motor. The compressor and motor are disposed in two separate compartments having respective inflow air passages from a single inlet and being combined into a single outlet for discharge.

The prior art of record neither disclose nor makes obvious to have the structural and functional relationship as recited in claim 30 – 32 such that, in addition to what is claimed in base claim 23, additional limitations are claimed for including an after cooler being disposed between the first compartment and the discharge compartment; blower being disposed in the intake compartment; and a partition being disposed partially separating the first compartment from the second compartment and a partition being disposed partially separating the second compartment and the discharge compartment.

#### ***Response to Arguments***

4. Applicant's arguments together with the submission of "Terminal Disclaimer", see pages 10 – 11, filed on 4/14/2004, with respect to claims 23 – 25 and 27 – 41 have been fully considered and are persuasive. The rejections of 35 USC§102(b) and 35 USC§103(a) have been withdrawn.

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5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Han Lih Liu whose telephone number is 703-305-0860. The examiner can normally be reached on Monday - Thursday 7:30 to 16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on 703-308-2675. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Han Lih Liu*  
Han Lih Liu 5/21/2004

*JZ*  
**JUSTINE R. YU**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 3700**

5/22/04